

FIG. 1

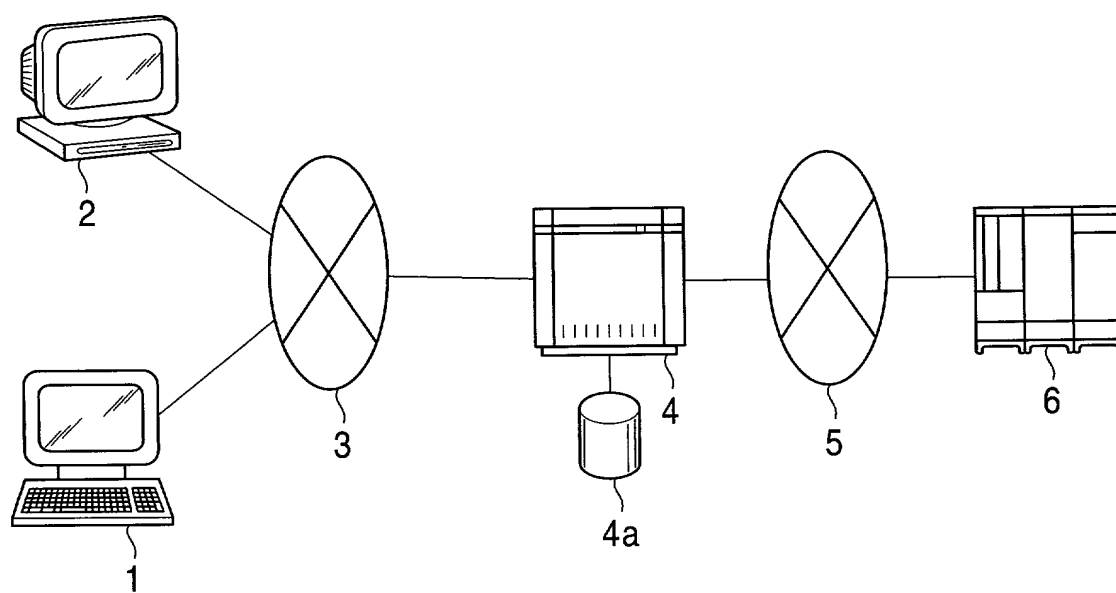


FIG. 2

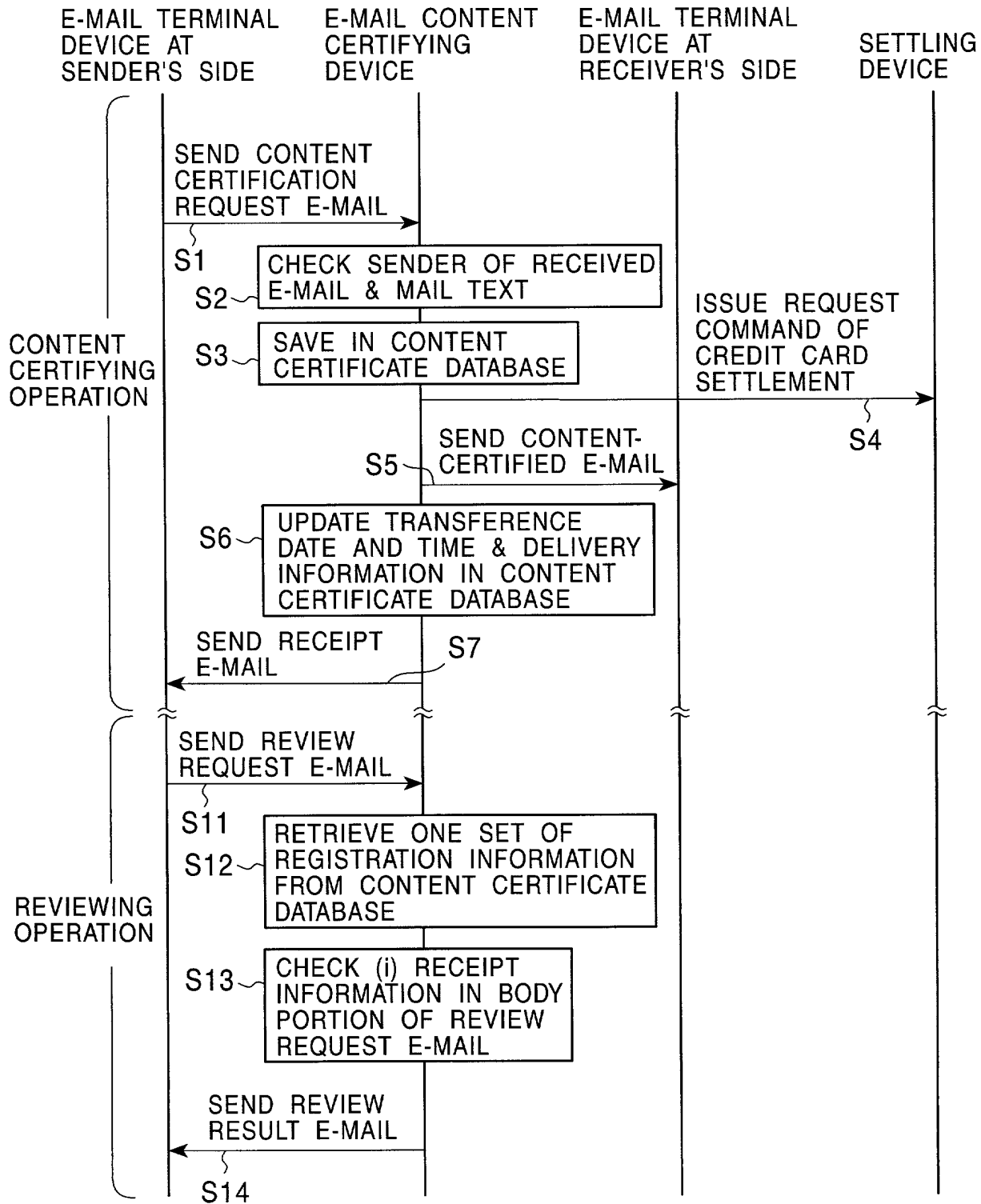


FIG. 3

BODY PORTION OF CONTENT CERTIFICATION REQUEST E-MAIL

(a) SENDER'S INFORMATION
(a-1) SENDER'S NAME
(a-2) SENDER'S ADDRESS
(a-3) SENDER'S E-MAIL ADDRESS

(b) RECEIVER'S INFORMATION
(b-1) RECEIVER'S NAME
(b-2) RECEIVER'S ADDRESS
(b-3) RECEIVER'S E-MAIL ADDRESS

(c) SETTLEMENT INFORMATION
(c-1) SENDER'S CREDIT CARD NUMBER
(c-2) PIN OF CREDIT CARD

(d) TEXT INFORMATION OF CONTENT CERTIFICATION
(d-1) TEXT
(d-2) SENDER'S DIGITAL SIGNATURE

(e) DIGITAL CERTIFICATE INFORMATION
(e-1) SENDER'S DIGITAL CERTIFICATE

FIG. 4

INFORMATION TITLES	INFORMATION ITEMS	PARTICULARS
(a) SENDER'S INFORMATION	(a-1) SENDER'S NAME	NAME OF SENDER REQUESTING CONTENT CERTIFICATION
	(a-2) SENDER'S ADDRESS	ADDRESS OF SENDER
	(a-3) SENDER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF SENDER
(b) RECEIVER'S INFORMATION	(b-1) RECEIVER'S NAME	NAME OF RECEIVER TO BE RECEIVED CONTENT-CERTIFIED E-MAIL
	(b-2) RECEIVER'S ADDRESS	ADDRESS OF RECEIVER
	(b-3) RECEIVER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF RECEIVER
(c) SETTLEMENT INFORMATION	(c-1) SENDER'S CREDIT CARD NUMBER	SENDER'S CREDIT CARD NUMBER TO WHICH CONTENT CERTIFICATION SERVICE FEE IS CHARGED
	(c-2) PIN OF CREDIT CARD	PIN OF CREDIT CARD
(d) TEXT INFORMATION OF CONTENT CERTIFICATION	(d-1) TEXT	TEXT OF CONTENT CERTIFICATION
	(d-2) SENDER'S DIGITAL SIGNATURE	SENDER'S DIGITAL SIGNATURE FOR (d-1) TEXT
(e) DIGITAL CERTIFICATE INFORMATION	(e-1) SENDER'S DIGITAL CERTIFICATE	DIGITAL CERTIFICATE OF SENDER ISSUED BY AUTHORIZED VERIFICATION ORGANIZATION

FIG. 5

INFORMATION ITEMS	PARTICULARS	INFORMATION SOURCES
(x-1) SENDER'S IDENTIFIER	SENDER'S IDENTIFIER USED IN IDENTIFYING CONTENT CERTIFICATE	ISSUED IN E-MAIL CONTENT CERTIFYING DEVICE
(x-2) RECEIVER'S IDENTIFIER	RECEIVER'S IDENTIFIER USED IN IDENTIFYING CONTENT CERTIFICATE	ISSUED IN E-MAIL CONTENT CERTIFYING DEVICE
(y-1) ACCEPTANCE DATE AND TIME	INFORMATION OF DATE AND TIME WHEN E-MAIL CONTENT CERTIFYING DEVICE RECEIVED CONTENT CERTIFICATION REQUEST E-MAIL	ISSUED IN E-MAIL CONTENT CERTIFYING DEVICE
(y-2) TRANSFERENCE DATE AND TIME	INFORMATION OF DATE AND TIME WHEN E-MAIL CONTENT CERTIFYING DEVICE SENT CONTENT-CERTIFIED E-MAIL TO RECEIVER SPECIFIED BY SENDER	ISSUED IN E-MAIL CONTENT CERTIFYING DEVICE
(y-3) DELIVERY DATE AND TIME	INFORMATION OF DATE AND TIME WHEN DELIVERY OF CONTENT-CERTIFIED E-MAIL SENT FROM E-MAIL CONTENT CERTIFYING DEVICE TO RECEIVER'S E-MAIL ADDRESS SPECIFIED BY SENDER IS CONFIRMED/WHEN DELIVERY IS NOT CONFIRMED, INVALID VALUE	ISSUED IN E-MAIL CONTENT CERTIFYING DEVICE
(z-1) DELIVERY INFORMATION	DELIVERY STATE WHEN E-MAIL CONTENT CERTIFYING DEVICE SENDS CONTENT-CERTIFIED E-MAIL TO RECEIVER'S E-MAIL ADDRESS SPECIFIED BY SENDER, FOR EXAMPLE, SENDING, DELIVERY CONFIRMED, DELIVERY FAILED	ISSUED IN E-MAIL CONTENT CERTIFYING DEVICE
(a-1) SENDER'S NAME	NAME OF SENDER REQUESTING CONTENT CERTIFICATION	(a) SENDER'S INFORMATION IN CONTENT CERTIFICATION REQUEST E-MAIL
(a-2) SENDER'S ADDRESS	ADDRESS OF SENDER	
(a-3) SENDER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF SENDER	
(b-1) RECEIVER'S NAME	NAME OF RECEIVER TO BE RECEIVED CONTENT-CERTIFIED E-MAIL	(b) RECEIVER'S INFORMATION IN CONTENT CERTIFICATION REQUEST E-MAIL
(b-2) RECEIVER'S ADDRESS	ADDRESS OF RECEIVER	
(b-3) RECEIVER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF RECEIVER	
(d-1) TEXT	TEXT OF CONTENT CERTIFICATION	(d) TEXT INFORMATION OF CONTENT CERTIFICATION IN CONTENT CERTIFICATION REQUEST E-MAIL
(d-2) SENDER'S DIGITAL SIGNATURE	SENDER'S DIGITAL SIGNATURE FOR (d-1) TEXT	
(e-1) SENDER'S DIGITAL CERTIFICATE	DIGITAL CERTIFICATE FOR SENDER ISSUED BY AUTHORIZED VERIFICATION ORGANIZATION	(e) DIGITAL CERTIFICATE INFORMATION IN CONTENT CERTIFICATION REQUEST E-MAIL
(e-2) DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE	DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE ISSUED BY AUTHORIZED VERIFICATION ORGANIZATION	GIVEN TO E-MAIL CONTENT CERTIFYING DEVICE FROM AUTHORIZED VERIFICATION ORGANIZATION

FIG. 6

BODY PORTION OF CONTENT-CERTIFICATION E-MAIL

- (h) CONTENT CERTIFICATE INFORMATION
 - (h-1) E-MAIL CONTENT CERTIFYING DEVICE IDENTIFIER
 - (x-2) RECEIVER'S IDENTIFIER
 - (y-1) ACCEPTANCE DATE AND TIME
 - (a-1) SENDER'S NAME
 - (a-2) SENDER'S ADDRESS
 - (a-3) SENDER'S E-MAIL ADDRESS
 - (b-1) RECEIVER'S NAME
 - (b-2) RECEIVER'S ADDRESS
 - (b-3) RECEIVER'S E-MAIL ADDRESS
 - (h-2) DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE
- (d) TEXT INFORMATION OF CONTENT CERTIFICATION
 - (d-1) TEXT
 - (d-2) SENDER'S DIGITAL SIGNATURE
- (e) DIGITAL CERTIFICATE INFORMATION
 - (e-1) SENDER'S DIGITAL CERTIFICATE
 - (e-2) DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE

FIG. 7

INFORMATION TITLES	INFORMATION ITEMS	PARTICULARS
(h) CONTENT CERTIFICATE INFORMATION	(h-1) IDENTIFIER OF E-MAIL CONTENT CERTIFYING DEVICE	IDENTIFIER USED IN IDENTIFYING E-MAIL CONTENT CERTIFYING DEVICE THAT CERTIFIES CONTENTS OF E-MAIL
	(x-2) RECEIVER'S IDENTIFIER	RECEIVER'S IDENTIFIER USED IN IDENTIFYING CONTENT CERTIFICATE
	(y-1) ACCEPTANCE DATE AND TIME	INFORMATION OF DATE AND TIME WHEN E-MAIL CONTENT CERTIFYING DEVICE ACCEPTED CONTENT CERTIFICATION REQUEST E-MAIL
	(a-1) SENDER'S NAME	NAME OF SENDER REQUESTING CONTENT CERTIFICATION
	(a-2) SENDER'S ADDRESS	ADDRESS OF SENDER
	(a-3) SENDER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF SENDER
	(b-1) RECEIVER'S NAME	NAME OF RECEIVER TO BE RECEIVED CONTENT-CERTIFIED E-MAIL
	(b-2) RECEIVER'S ADDRESS	ADDRESS OF RECEIVER
	(b-3) RECEIVER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF RECEIVER
(d) TEXT INFORMATION OF CONTENT CERTIFICATION	(h-2) DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE	DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE FOR ALL THE ABOVE INFORMATION (h-1) – (b-3)
	(d-1) TEXT	TEXT OF CONTENT CERTIFICATION
(e) DIGITAL CERTIFICATE INFORMATION	(d-2) SENDER'S DIGITAL SIGNATURE	SENDER'S DIGITAL SIGNATURE FOR (d-1) TEXT
	(e-1) SENDER'S DIGITAL CERTIFICATE	DIGITAL CERTIFICATE OF SENDER ISSUED BY AUTHORIZED VERIFICATION ORGANIZATION
	(e-2) DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE	DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE ISSUED BY AUTHORIZED VERIFICATION ORGANIZATION

FIG. 8

BODY PORTION OF RECEIPT E-MAIL

- (i) CONTENT CERTIFICATE INFORMATION
 - (i-1) IDENTIFIER OF E-MAIL CONTENT CERTIFYING DEVICE
 - (x-2) RECEIVER'S IDENTIFIER
 - (y-1) ACCEPTANCE DATE AND TIME
 - (y-2) TRANSFERENCE DATE AND TIME
 - (y-3) DELIVERY DATE AND TIME
 - (a-1) SENDER'S NAME
 - (a-2) SENDER'S ADDRESS
 - (a-3) SENDER'S E-MAIL ADDRESS
 - (b-1) RECEIVER'S NAME
 - (b-2) RECEIVER'S ADDRESS
 - (b-3) RECEIVER'S E-MAIL ADDRESS
 - (i-2) DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE

- (d) TEXT INFORMATION OF CONTENT CERTIFICATION
 - (d-1) TEXT
 - (d-2) SENDER'S DIGITAL SIGNATURE

- (e) DIGITAL CERTIFICATE INFORMATION
 - (e-1) SENDER'S DIGITAL CERTIFICATE
 - (e-2) DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE

FIG. 9

INFORMATION TITLES	INFORMATION ITEMS	PARTICULARS
(i) RECEIPT INFORMATION	(i-1) IDENTIFIER OF E-MAIL CONTENT CERTIFYING DEVICE	IDENTIFIER USED IN IDENTIFYING E-MAIL CONTENT CERTIFYING DEVICE THAT CERTIFIES CONTENTS OF E-MAIL
	(x-2) RECEIVER'S IDENTIFIER	RECEIVER'S IDENTIFIER USED IN IDENTIFYING CONTENT CERTIFICATE
	(y-1) ACCEPTANCE DATE AND TIME	INFORMATION OF DATE AND TIME WHEN E-MAIL CONTENT CERTIFYING DEVICE ACCEPTED CONTENT CERTIFICATION REQUEST E-MAIL
	(y-2) TRANSFERENCE DATE AND TIME	INFORMATION OF DATE AND TIME WHEN E-MAIL CONTENT CERTIFYING DEVICE SENT CONTENT-CERTIFIED E-MAIL TO RECEIVER'S E-MAIL ADDRESS SPECIFIED BY SENDER
	(y-3) DELIVERY DATE AND TIME	INFORMATION OF DATE AND TIME WHEN DELIVERY OF CONTENT-CERTIFIED E-MAIL SENT FROM E-MAIL CONTENT CERTIFYING DEVICE TO RECEIVER'S E-MAIL ADDRESS SPECIFIED BY SENDER IS CONFIRMED/WHEN DELIVERY IS NOT CONFIRMED, INVALID VALUE
	(a-1) SENDER'S NAME	NAME OF SENDER REQUESTING CONTENT CERTIFICATION
	(a-2) SENDER'S ADDRESS	ADDRESS OF SENDER
	(a-3) SENDER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF SENDER
	(b-1) RECEIVER'S NAME	NAME OF SENDING DESTINATION OF CONTENT-CERTIFIED E-MAIL
	(b-2) RECEIVER'S ADDRESS	ADDRESS OF RECEIVER
	(b-3) RECEIVER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF RECEIVER
(d) TEXT INFORMATION OF CONTENT CERTIFICATION	(i-2) DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE	DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE FOR ALL THE ABOVE INFORMATION (i-1) – (b-3)
	(d-1) TEXT	TEXT OF CONTENT CERTIFICATION
(e) DIGITAL CERTIFICATE INFORMATION	(d-2) SENDER'S DIGITAL SIGNATURE	SENDER'S DIGITAL SIGNATURE FOR (d-1) TEXT
	(e-1) SENDER'S DIGITAL CERTIFICATE	DIGITAL CERTIFICATE OF SENDER ISSUED BY AUTHORIZED VERIFICATION ORGANIZATION
	(e-2) DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE	DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE ISSUED BY AUTHORIZED VERIFICATION ORGANIZATION

FIG. 10

BODY PORTION OF REVIEW REQUEST E-MAIL

- (i) RECEIPT INFORMATION
 - (i-1) IDENTIFIER OF E-MAIL CONTENT CERTIFYING DEVICE
 - (x-2) RECEIVER'S IDENTIFIER
 - (y-1) ACCEPTANCE DATE AND TIME
 - (y-2) TRANSFERENCE DATE AND TIME
 - (a-1) SENDER'S NAME
 - (a-2) SENDER'S ADDRESS
 - (a-3) SENDER'S E-MAIL ADDRESS
 - (b-1) RECEIVER'S NAME
 - (b-2) RECEIVER'S ADDRESS
 - (b-3) RECEIVER'S E-MAIL ADDRESS
 - (i-2) DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE

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FIG. 11

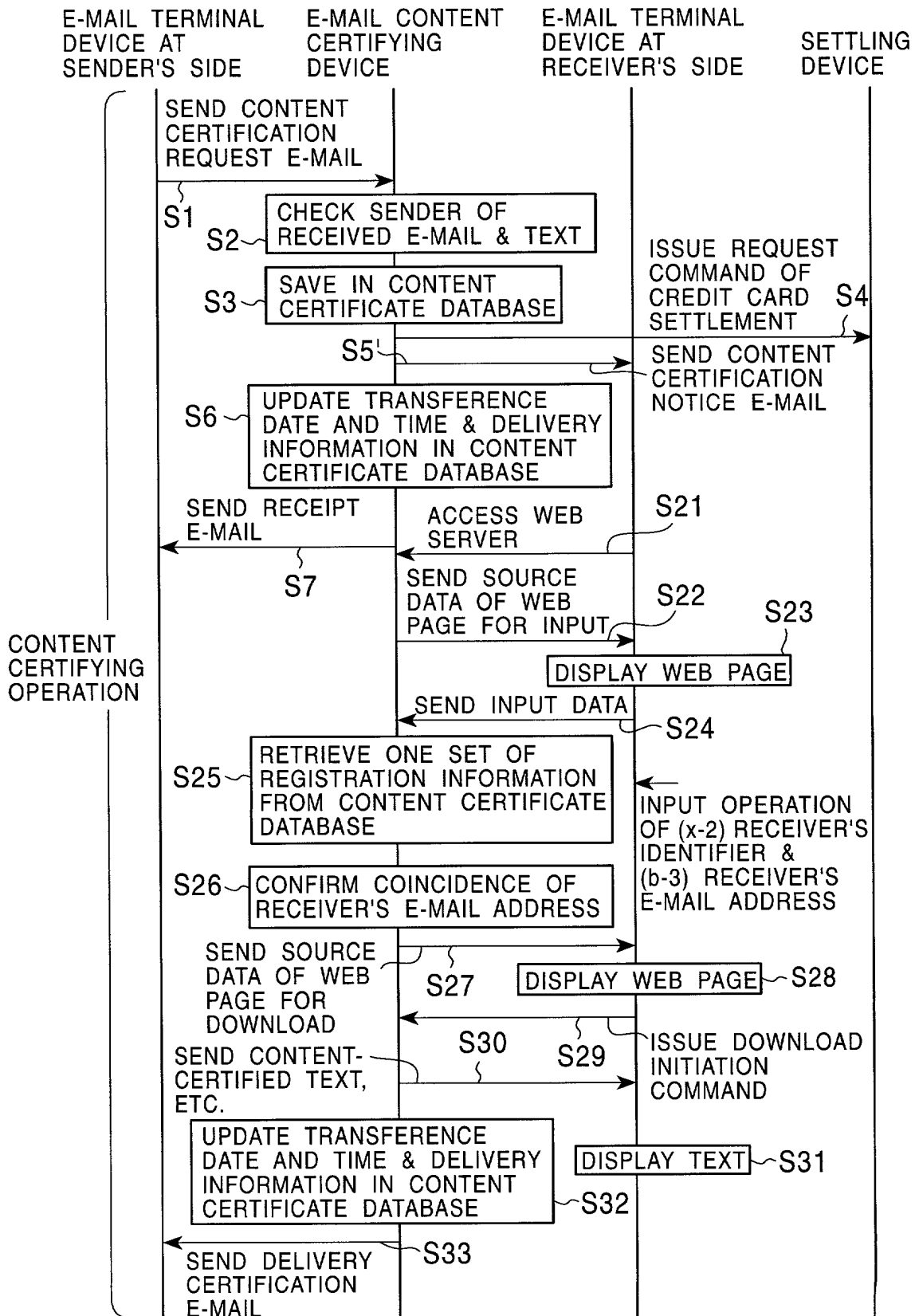


FIG. 12

BODY PORTION OF CONTENT CERTIFICATION NOTICE E-MAIL

- (j) CONTENT CERTIFICATE NOTICE INFORMATION
 - (j-1) IDENTIFIER OF E-MAIL CONTENT CERTIFYING DEVICE
 - (x-2) RECEIVER'S IDENTIFIER
 - (y-1) ACCEPTANCE DATE AND TIME
 - (a-1) SENDER'S NAME
 - (a-2) SENDER'S ADDRESS
 - (a-3) SENDER'S E-MAIL ADDRESS
 - (b-1) RECEIVER'S NAME
 - (b-2) RECEIVER'S ADDRESS
 - (b-3) RECEIVER'S E-MAIL ADDRESS
 - (j-2) URL INFORMATION OF E-MAIL CONTENT CERTIFYING DEVICE
 - (j-3) DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE

- (e) DIGITAL CERTIFICATE INFORMATION
 - (e-1) SENDER'S DIGITAL CERTIFICATE
 - (e-2) DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE

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FIG. 13

INFORMATION TITLES	INFORMATION ITEMS	PARTICULARS
(h) CONTENT CERTIFICATION NOTICE INFORMATION	(j-1) IDENTIFIER OF E-MAIL CONTENT CERTIFYING DEVICE	IDENTIFIER USED IN IDENTIFYING E-MAIL CONTENT CERTIFYING DEVICE THAT CERTIFIES CONTENTS OF E-MAIL
	(x-2) RECEIVER'S IDENTIFIER	RECEIVER'S IDENTIFIER USED IN IDENTIFYING CONTENT CERTIFICATE
	(y-1) ACCEPTANCE DATE AND TIME	INFORMATION OF DATE AND TIME WHEN E-MAIL CONTENT CERTIFYING DEVICE ACCEPTED CONTENT CERTIFICATION REQUEST E-MAIL
	(a-1) SENDER'S NAME	NAME OF SENDER REQUESTING CONTENT CERTIFICATION
	(a-2) SENDER'S ADDRESS	ADDRESS OF SENDER
	(a-3) SENDER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF SENDER
	(b-1) RECEIVER'S NAME	NAME OF RECEIVER TO BE RECEIVED CONTENT-CERTIFIED E-MAIL
	(b-2) RECEIVER'S ADDRESS	ADDRESS OF RECEIVER
	(b-3) RECEIVER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF RECEIVER
	(j-2) URL INFORMATION OF E-MAIL CONTENT CERTIFYING DEVICE	URL INFORMATION OF ACCESS DESTINATION FOR OBTAINING CONTENT-CERTIFIED E-MAIL NOTIFIED BY NOTICE
	(j-3) DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE	DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE FOR ALL THE ABOVE INFORMATION (j-1)–(j-2)
(e) DIGITAL CERTIFICATE INFORMATION	(e-2) DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE	DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE ISSUED BY AUTHORIZED VERIFICATION ORGANIZATION

FIG. 14

BODY PORTION OF DELIVERY CERTIFICATION E-MAIL

(k) DELIVERY CERTIFICATE INFORMATION

- (k-1) IDENTIFIER OF E-MAIL CONTENT CERTIFYING DEVICE
- (x-1) SENDER'S IDENTIFIER
- (y-1) ACCEPTANCE DATE AND TIME
- (y-2) TRANSFERENCE DATE AND TIME
- (y-3) DELIVERY DATE AND TIME
- (a-1) SENDER'S NAME
- (a-2) SENDER'S ADDRESS
- (a-3) SENDER'S E-MAIL ADDRESS
- (b-1) RECEIVER'S NAME
- (b-2) RECEIVER'S ADDRESS
- (b-3) RECEIVER'S E-MAIL ADDRESS
- (k-2) DIGITAL SIGNATURE OF E-MAIL CONTENT
CERTIFYING DEVICE

(e) DIGITAL CERTIFICATE INFORMATION

- (e-1) SENDER'S DIGITAL CERTIFICATE
- (e-2) DIGITAL CERTIFICATE OF E-MAIL CONTENT
CERTIFYING DEVICE

TOP SECRET

FIG. 15

INFORMATION TITLES	INFORMATION ITEMS	PARTICULARS
(k) DELIVERY CERTIFICATE INFORMATION	(k-1) IDENTIFIER OF E-MAIL CONTENT CERTIFYING DEVICE	IDENTIFIER USED IN IDENTIFYING E-MAIL CONTENT CERTIFYING DEVICE THAT CERTIFIES CONTENTS OF E-MAIL
	(x-1) SENDER'S IDENTIFIER	SENDER'S IDENTIFIER HAVING THE SAME VALUE NOTIFIED BY RECEIPT & USED IN IDENTIFYING CONTENT-CERTIFIED E-MAIL/THIS IDENTIFIER ENABLES SENDER TO JUDGE TO WHICH OF CONTENT-CERTIFIED E-MAILS THE DELIVERY CERTIFICATION HAS BEEN OBTAINED
	(y-1) ACCEPTANCE DATE AND TIME	INFORMATION OF DATE AND TIME WHEN E-MAIL CONTENT CERTIFYING DEVICE ACCEPTED CONTENT CERTIFICATION REQUEST E-MAIL
	(y-2) TRANSFERENCE DATE AND TIME	INFORMATION OF DATE AND TIME WHEN E-MAIL CONTENT CERTIFYING DEVICE SENT CONTENT-CERTIFIED E-MAIL TO RECEIVER'S E-MAIL ADDRESS SPECIFIED BY SENDER
	(y-3) DELIVERY DATE AND TIME	INFORMATION OF DATE AND TIME WHEN DELIVERY OF CONTENT-CERTIFIED E-MAIL SENT FROM E-MAIL CONTENT CERTIFYING DEVICE TO RECEIVER'S E-MAIL ADDRESS SPECIFIED BY SENDER IS CONFIRMED/WHEN DELIVERY IS NOT CONFIRMED, INVALID VALUE
	(a-1) SENDER'S NAME	NAME OF SENDER REQUESTING CONTENT CERTIFICATION
	(a-2) SENDER'S ADDRESS	ADDRESS OF SENDER
	(a-3) SENDER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF SENDER
	(b-1) RECEIVER'S NAME	NAME OF RECEIVER TO BE RECEIVED CONTENT-CERTIFIED E-MAIL
	(b-2) RECEIVER'S ADDRESS	ADDRESS OF RECEIVER
	(b-3) RECEIVER'S E-MAIL ADDRESS	E-MAIL ADDRESS OF RECEIVER
	(j-2) DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE	DIGITAL SIGNATURE OF E-MAIL CONTENT CERTIFYING DEVICE FOR ALL THE ABOVE INFORMATIONN (k-1)-(b-3)
(e) DIGITAL CERTIFICATE INFORMATION	(e-2) DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE	DIGITAL CERTIFICATE OF E-MAIL CONTENT CERTIFYING DEVICE ISSUED BY AUTHORIZED VERIFICATION ORGANIZATION